SARDAR PATEL UNIVERSITY Bsc (VI Sem.) Examination Saturday, 13 April 2013 3 - 6 pm Biochemistry US06CBCH05 – Immunology

Total Marks: 70

Q.1		ect proper option from following MCQs: From the following, which one is not involved in secondary					
			phoid organ. Spleen	(h)	Bone marrow		
			Lymphnode	` '	MALT		
	(2)		• •	` '	are represented by		
	(-/	molecules.					
		(a)	Class-I MHC molecule	(b)	Class- II MHC molecule		
		, ,	Class- III MHC molecule				
	(3)		immunoglobulin can cre				
	(-)		IgA		IgD		
		` '	IgE		IgG		
	(4)	(-)	•	` '	produced first by the fetus in		
	(- /	response to infection is					
			IgA		IgD		
		, ,	IgG		IgM		
	(5)	Graft-versus host reaction is caused by					
	` '						
		(c)	T-Lymphocytes Macrophages	(d)	Complement		
	(6)	Cancer cells are characterized by					
		(a)	Metastasis Uncontrolled growth	(b)	Invasion of local tissues		
		(c)	Uncontrolled growth	(d)	All of above		
	(7)	as					
			H-2 Complex	(b)	TNF Complex		
		` '	HLA Complex	(d)	none of above		
	(8)			/ is	immune complex mediated		
		Hypersensitivity?					
		` '	Type I		Type II		
		(c)	Type III	(d)	Type IV		
	(9)	Tra	nsfusion reaction is a				
		(a)	Type I	(b)	Type II		
		(c)	Type III	(d)	Type IV		
	(10) Which one of the following is not responsible for Active immun						
		` '	Vagines	` '	Natural infection		
		(c)	Toxoid	(d)	Antitoxin		

Answer in very short (Any Ten)						
(1) Define acquired immunity and explain role of TH cell in Acquired						
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• •						
Define: Allograft and Autograft.						
(12) Write in Short . Autoinfinutity.						
Explain in detail:						
(a) Give the difference between Innate Immunity and Acquired	[05]					
Immunity.						
(b) Write short note on Thymus.	[05]					
OR						
<u> </u>						
· · · · · · · · · · · · · · · · · · ·	[05] [05]					
(b) Give bilet illioittiation about Classical Complement Fathway.	լսշյ					
Write short note on:						
(a) IgG	[05]					
(b) RIA	[05]					
OR						
()	[05]					
(b) AIDS	[05]					
Write short note on						
(a) HLA Complex	[05]					
(b) Allograft reaction	[05]					
OR						
Explain in detail:						
,						
(b) Molecular basis of Antibody diversity.	[06]					
Explain in detail Type-III Hypersensitivity						
OR						
Explain in detail Type-IV Hypersensitivity.						
	(1) Define acquired immunity and explain role of TH cell in Acquired immunity. (2) Give the difference between active immunity and passive immunity. (3) Write the role of WBC and NK cells in immunity. (4) Write function of IgG. (5) Write general features of Ag-Ab reaction. (6) Give reason: IgM is more efficient compared to IgG to neutralize viral infectivity. (7) Write difference between class-I and class-II MHC molecule. (8) Define: Allograft and Autograft. (9) What do you know about TSTAS and TATAS? (10) Define: Immunization and Vaccines (11) Write the difference between immediate and delayed types of Hypersensitivity. (12) Write in short: Autoimmunity. Explain in detail: (a) Give the difference between Innate Immunity and Acquired Immunity. (b) Write short note on Thymus. OR Answer the following: (a) Explain Lymphocytes in detail (b) Give brief information about Classical Complement Pathway. Write short note on: (a) IgG (b) RIA OR Write short note on (a) Mechanism of agglutination (b) AIDS Write short note on (a) HLA Complex (b) Allograft reaction OR Explain in detail: (a) Structure of Class-II MHC molecules. (b) Molecular basis of Antibody diversity. Explain in detail Type-III Hypersensitivity. OR					